AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. **(Currently Amended)** An optical coupling system comprising:

a post having first and second ends, wherein the post has a height of between about 30 microns and about 250 microns;

a microlens situated on the first end of said post; and

a window comprising glass and having a first side proximate to said microlens and having a second side, wherein the window is placed at a distance from the microlens to achieve a particular coupling efficiency.

2. **(Original)** The system of claim 1, wherein:

the second end of said post is an input for light; and

the second side of said window is an exit for the light.

3. **(Previously Presented)** The system of claim 2, wherein:

the exit for the light is proximate to an optical fiber; and

the input may be proximate to a light source.

4. **(Previously Presented)** The system of claim 3, wherein:

said post comprises an epoxy material; and

said microlens comprises an epoxy material.

5. **(Previously Presented)** The system of claim 3, wherein the optical fiber is single mode fiber.

6. **(Original)** The system of claim 5, wherein the optical fiber is in contact with the second side of said window.

7. **(Original)** The system of claim 5, wherein the optical fiber is at a distance from the second side of said window.

8. **(Previously Presented)** The system of claim 5, wherein the light source is a vertical cavity surface emitting laser (VCSEL).

9. **(Original)** The system of claim 5, wherein said post is situated proximate to the light source and on a wafer having the light source.

10. **(Original)** The system of claim 5, wherein said microlens is a spherical lens.

11. **(Original)** The system of claim 10, wherein said microlens is an ink-jet formed lens.

12. **(Original)** The system of claim 5, wherein said microlens is an aspherical lens.

13. **(Previously Presented)** An optical coupling system comprising:

an array of posts, wherein each post has a height of between about 30 microns and about 250 microns;

a microlens situated on a first end of each post of said array of posts; and

a window comprising glass and having a first surface proximate to each microlens of said array of posts.

14. **(Original)** The system of claim 13, wherein:

each post has a second end proximate to a radiation source; and

a second surface of said window is proximate to an optical fiber for receipt of radiation from each microlens of said array of posts.

15. **(Original)** The system of claim 13, wherein:

each post has a second end proximate to a detector; and

a second surface of said window is proximate to an optical fiber corresponding to each microlens.

16. **(Original)** The system of claim 14, wherein:

each post comprises an epoxy material; and

each microlens comprises an epoxy material.

17. **(Canceled)**

18. **(Original)** The system of claim 14, wherein the optical fiber is single mode fiber.

19. **(Original)** The system of claim 18, wherein the radiation source is a VCSEL.

20. **(Original)** The system of claim 18, wherein the optical fiber is spaced at a distance from the second surface of said window.

21. **(Original)** The system of claim 18, wherein the optical fiber is in contact with the second surface of said window.

22. **(Original)** The system of claim 18, wherein each microlens is a spherical lens.

23. **(Original)** The system of claim 18, wherein each microlens is an aspherical lens.

24. **(Original)** The system of claim 23, wherein each microlens is an ink-jet formed lens.

25. **(Currently Amended)** An optical coupling system comprising:

a substrate having a plurality of optoelectronic elements formed on said substrate;

a plurality of posts formed over the plurality of optoelectronic elements on said substrate;

a plurality of lenses formed on said posts;

a window comprising glass being situated proximate to said plurality of lenses, wherein the window is about 300 microns thick; and

a plurality of optical fibers proximate to said window;

wherein a thickness of each post, a height of each lens, or a radius of each lens is selected to achieve a particular coupling efficiency.

26. **(Original)** The system of claim 25, wherein the optoelectronic elements are light sources.

27. **(Currently Amended)** An optical coupling system comprising:

an optoelectronic element;

a place for an end of an optical medium; and

a lens situated between said optoelectronic element and place for an end of optical medium, wherein the lens has a thickness of between about 20 microns and about 600 microns; and

a substrate comprising glass and having a first side proximate to said lens and having a second side proximate to said optoelectronic element, wherein a distance between said optoelectronic element and said second side is set to achieve a particular coupling efficiency.

28. **(Original)** The system of claim 27, wherein said lens is an aspherical lens.

29. **(Original)** The system of claim 28, wherein said medium is an optical fiber.

30. **(Original)** The system of claim 29, wherein said place for an end of an optical medium is a fiber stop.

31. **(Original)** The system of claim 30, wherein said aspherical lens comprises a non-glass material.

32. **(Original)** The system of claim 31, wherein said optoelectronic element is a detector.

33. **(Original)** The system of claim 31, wherein said optoelectronic element is a light source.

34. **(Original)** The system of claim 33, wherein said light source is a vertical cavity surface emitting laser.

35. **(Original)** The system of claim 34, wherein the said aspheric lens comprises a plastic material.

36. **(Original)** The system of claim 35 wherein said optical fiber is single mode optical fiber.

37-45. **(Cancelled)**